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THE ORIGIN OF THE DIAPHRAGM PUMP

The Diaphragm Pump is an American Invention, first patent issued to Loud in 1875.

Capt. Loud at the age of thirteen was shipmate with the old log Bilge Pump.

Thirty years later he was managing owner of one hundred vessels sailing to the various world ports. These ships after discharging cargo would ballast up with sand or gravel to make other ports for return cargo.

See Trial Offer On Page 15

The ship with full return cargo would often "run into a gale," particles of the ballast would sift through the ceiling to the pump well, the plunger pump would become clogged and choked, and you know the result —"Those that have gone down in ships at sea."

Some of the early shipmates of Capt. Loud have gone on voyages, never to return. With this loss of life before him, he spent several years trying to provide mechanical means that would remove water, containing sand and gravel, from the bilges.

And finally, discovering that a diaphragm made of rubber could be substituted for the piston as used in the plunger pump, he developed the DIAPHRAGM PUMP.

And this diaphragm pump, the life-saving pump of 1875, is the diaphragm pump being used so successfully for contractors and foundation work today.

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have been manufacturers of marine appliances for nearly sixty years and have installed Diaphragm Bilge Pumps on many ships sailing to world's ports, which accounts for the wide use of Edson Diaphragm Pumps in all foreign countries.

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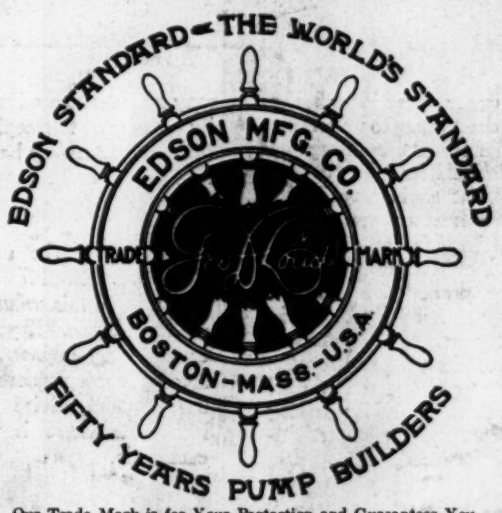

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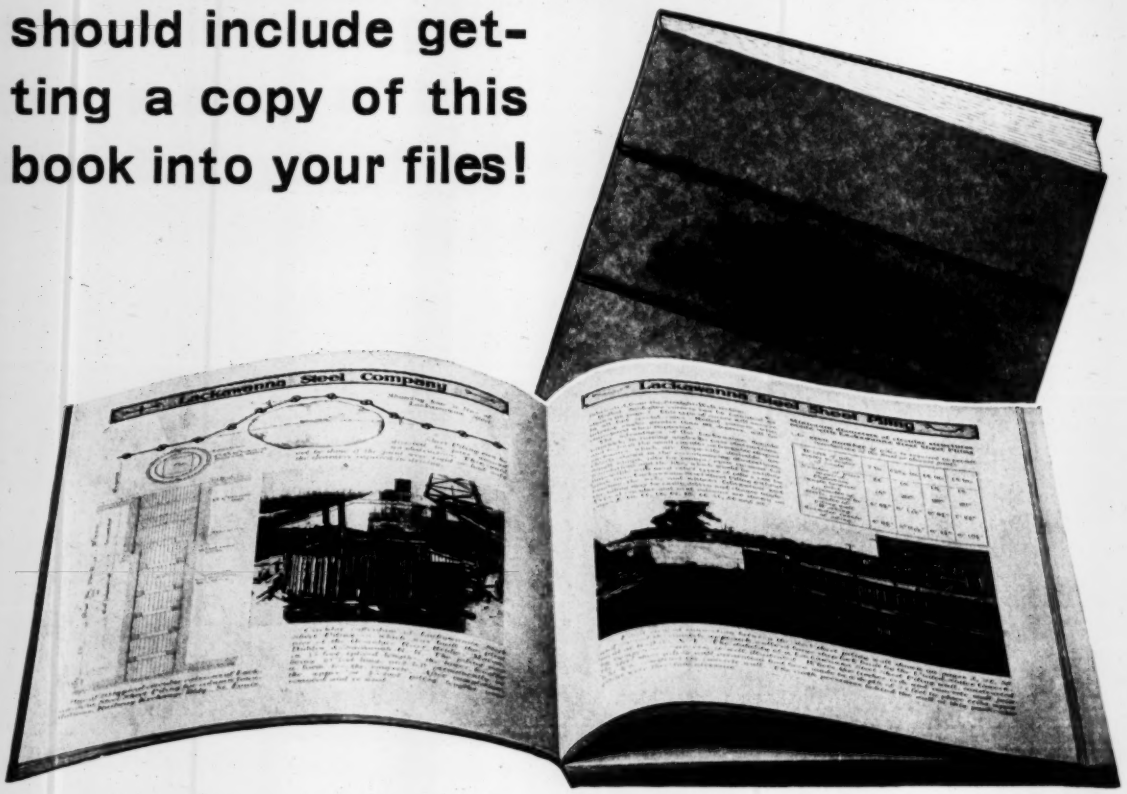

Its contents, prepared under direction of the engineers that brought steel sheet piling to its present day usefulness, include reliable data and copious pictures of methods and installations by United States and foreign government engineers and by successful big and little contractors everywhere.

The various chapters will be found to be helpful guides on such questions as how best to handle excavation to protect adjoining property, how to get around sunken obstructions or irregular places in the walls, how to keep water out, whether steel or wood sheeting is most economical, what strengths should be allowed for various types and sizes of steel sheeting, what is the best form or rig for driving under special conditions, how to assure watertightness at sheet piling joints, how deep sheet piling may be driven to advantage, how to go still deeper by splicing or telescoping, how a line of steel sheeting can if necessary be cut to uniform top line, how best to pull and recover temporarily installed sheet piling, how permanent installations can be made practically proof against corrosion, etc.

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